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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/534,562	03/27/2000	Shintaro Ichihara	Q58495	3546

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2100 Pennsylvania Avenue N W
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EXAMINER

HO, TUAN V

ART UNIT PAPER NUMBER

2615

DATE MAILED: 11/02/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 09/534,562	Applicant(s) ICHIHARA, SHINTARO	
	Examiner Tuan V Ho	Art Unit 2615	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
 - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
 - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
 - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 24 June 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-5 and 8-11 is/are allowed.
- 6) ☒ Claim(s) 6 is/are rejected.
- 7) ☒ Claim(s) 7 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>5/18/04</u> . | 6) <input type="checkbox"/> Other: _____ |

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1. It is noted that the amendments of claims 1, 5 and 8 overcome the claim objection.

2. Applicant's arguments filed 6/24/04 have been fully considered but they are not persuasive.

With regard to claim 6, Applicant argue that "Hull teaches printing the image sent from the remote station 12 by only using the CPU 52 of the server station 14 to edit the image. There is no teaching or suggestion that the image is sent for printing from the storage 58" in page 7, last paragraph of the remarks.

In response the arguments, the examiner notes that Hull discloses in column 4, lines 19-46, that once a high resolution image is created in server 14 and inherently stored in storage device 58, the image can be sent to a printer, col. 4, lines 14-16 and lines 36-38. Noted that the process of creating a high resolution mage requires a plurality of low resolution images; where the low resolution images have to be stored in storage device 58 so that CPU 52 can combine them into a high resolution image, col. 3, lines 60-67 and col. 4, lines 1-35. Therefore, Hull teaches that an output means (such as CPU 52) can output a desired image transmitted from the camera to a printer as claimed. Noted that an alternatively, server 14 can retransmit the images to the camera for printing, col. 4, lines 32-35.

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It is noted that the motivation for combining the Hull reference and Hsieh reference is clearly discussed in paragraph 3 of the last Office action.

For the above reasons, the rejection is repeated.

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hull et al in view of Hsieh et al.

Hull discloses in Fig. 1, a portable transfer system that comprises the digital camera (capture device 20 includes memory 24, col. 2, line 1-5), first memory section a saving area (image storage device 58 can store image data from the camera 20 as permanent images, col. 2, lines 47-50), output means for outputting the desired image data to be printed from the memory sections to an external printing apparatus (CPU 52 controls the image storage device to output desired image data to external printing device 70 for a hard copy, col. 4, lines 19-46), except

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that the first memory section having a cache area storing a new image data by deleting a stored image data at need.

Hull does not explicitly disclose any cache area in the storage. However, Hsieh et al teaches using cache memory 134, col. 5, lines 64-65; a section including main memory 132 and cache memory 134 can store image data, col. 9, lines 40-51; cache memory 143 and main memory 132 are used to store image data from the camera 110 and the image data is processed by processor 128, col. 9, lines 20-32; it is noted that according to a function of a cache memory, cache 134 inherently stores image data that can be deleted and new image data can be stored; and main memory 132 is a saving area in which the image data is inherently accumulated so as to be processed by processor 128. The cache function is used to speed up the read and write process of the memory.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate a cache area the image storage device of Hull so as to store a new image and delete a stored image at need and there by to speed up the transfer time between the camera the storage device.

4. Claim 7 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent

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form including all of the limitations of the base claim and any intervening claims.

5. Claims 1-6 and 8-11 are allowed.

6. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

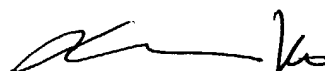
7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to TUAN HO whose telephone number is (703) 305-4943. The examiner can normally be reached on Mon-Fri from 7AM to 4PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Christensen, can be reached on (703) 308-9644. The fax phone number for the

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organization where this application or proceeding is assigned is
(703) 872-9306

Any inquiry of a general nature or relating to the status
of this application or proceeding should be directed to the
receptionist whose telephone number is (703) 305-4700.



TUAN HO

Primary Examiner

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